



#5

SEQUENCE LISTING

<110> CHANG, HAN

YANG, WEN-PIN

WU, YULI

WHITNEY, GENA S.

PEREZ-VILLAR, JUAN J.

KANNER, STEVEN B.

<120> CLONING AND EXPRESSION OF HUMAN SLAP-2: A NOVEL
SH2/SH3 DOMAIN-CONTAINING HUMAN SLAP HOMOLOGUE HAVING
IMMUNE CELL-SPECIFIC EXPRESSION

<130> D0043NP

<140> 09/988,971

<141> 2001-11-20

<150> 60/252545

<151> 2000-11-22

<160> 7

<170> PatentIn Ver. 2.1

<210> 1

<211> 2567

<212> DNA

<213> Homo sapiens

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<211> 261

<212> PRT

<213> Homo sapiens

<400> 2

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Ser Lys Ala Thr Ala Val Ala Leu Gly Ser Phe Pro Ala Gly Gly Pro
35 40 45

Ala Glu Leu Ser Leu Arg Leu Gly Glu Pro Leu Thr Ile Val Ser Glu
50 55 60

Asp Gly Asp Trp Trp Thr Val Leu Ser Glu Val Ser Gly Arg Glu Tyr
65 70 75 80

Asn Ile Pro Ser Val His Val Ala Lys Val Ser His Gly Trp Leu Tyr
85 90 95

Glu Gly Leu Ser Arg Glu Lys Ala Glu Glu Leu Leu Leu Leu Pro Gly
100 105 110

Asn Pro Gly Gly Ala Phe Leu Ile Arg Glu Ser Gln Thr Arg Arg Gly
115 120 125

Ser Tyr Ser Leu Ser Val Arg Leu Ser Arg Pro Ala Ser Trp Asp Arg
130 135 140

Ile Arg His Tyr Arg Ile His Cys Leu Asp Asn Gly Trp Leu Tyr Ile
145 150 155 160

Ser Pro Arg Leu Thr Phe Pro Ser Leu Gln Ala Leu Val Asp His Tyr
165 170 175

Ser Glu Leu Ala Asp Asp Ile Cys Cys Leu Leu Lys Glu Pro Cys Val
180 185 190

Leu Gln Arg Ala Gly Pro Leu Pro Gly Lys Asp Ile Pro Leu Pro Val
195 200 205

Thr Val Gln Arg Thr Pro Leu Asn Trp Lys Glu Leu Asp Ser Ser Leu
210 215 220

Leu Phe Ser Glu Ala Ala Thr Gly Glu Glu Ser Leu Leu Ser Glu Gly
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<212> DNA
<213> Artificial Sequence

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<210> 4

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<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: PY751 PCR
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<212> DNA

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<223> Description of Artificial Sequence: GENE TRAPPER
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<210> 6

<211> 276

<212> PRT

<213> Homo sapiens

<400> 6

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20 25 30

Tyr Pro Ser Pro Asp Ile Ser Pro Pro Ile Phe Arg Arg Gly Glu Lys
35 40 45

Leu Arg Val Ile Ser Asp Glu Gly Gly Trp Trp Lys Ala Ile Ser Leu
50 55 60

Ser Thr Gly Arg Glu Ser Tyr Ile Pro Gly Ile Cys Val Ala Arg Val

65		70		75		80									
Tyr	His	Gly	Trp	Leu	Phe	Glu	Gly	Leu	Gly	Arg	Asp	Lys	Ala	Glu	Glu
				85					90					95	
Leu	Leu	Gln	Leu	Pro	Asp	Thr	Lys	Val	Gly	Ser	Phe	Met	Ile	Arg	Glu
			100					105					110		
Ser	Glu	Thr	Lys	Lys	Gly	Phe	Tyr	Ser	Leu	Ser	Val	Arg	His	Arg	Gln
		115					120					125			
Val	Lys	His	Tyr	Arg	Ile	Phe	Arg	Leu	Pro	Asn	Asn	Trp	Tyr	Tyr	Ile
	130					135					140				
Ser	Pro	Arg	Leu	Thr	Phe	Gln	Cys	Leu	Glu	Asp	Leu	Val	Asn	His	Tyr
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Ser	Glu	Val	Ala	Asp	Gly	Leu	Cys	Cys	Val	Leu	Thr	Thr	Pro	Cys	Leu
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Thr	Gln	Ser	Thr	Ala	Ala	Pro	Ala	Val	Arg	Ala	Ser	Ser	Ser	Pro	Val
			180					185						190	
Thr	Leu	Arg	Gln	Lys	Thr	Val	Asp	Trp	Arg	Arg	Val	Ser	Arg	Leu	Gln
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Glu	Asp	Pro	Glu	Gly	Thr	Glu	Asn	Pro	Leu	Gly	Val	Asp	Glu	Ser	Leu
	210					215					220				
Phe	Ser	Tyr	Gly	Leu	Arg	Glu	Ser	Ile	Ala	Ser	Tyr	Leu	Ser	Leu	Thr
225					230					235				240	
Ser	Glu	Asp	Asn	Thr	Ser	Phe	Asp	Arg	Lys	Lys	Lys	Ser	Ile	Ser	Leu
				245					250				255		
Met	Tyr	Gly	Gly	Ser	Lys	Arg	Lys	Ser	Ser	Phe	Phe	Ser	Ser	Pro	Pro
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Tyr	Phe	Glu	Asp												
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<210> 7

<211> 281

<212> PRT

<213> Mus musculus

<400> 7

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Tyr	Pro	Ser	Pro	Asp	Ile	Ser	Pro	Pro	Ile	Phe	Arg	Arg	Gly	Glu	Lys	35	40	45	
Leu	Arg	Val	Ile	Ser	Asp	Glu	Gly	Gly	Trp	Trp	Lys	Ala	Ile	Ser	Leu	50	55	60	
Ser	Thr	Gly	Arg	Glu	Ser	Tyr	Ile	Pro	Gly	Ile	Cys	Val	Ala	Arg	Val	65	70	75	80
Tyr	His	Gly	Trp	Leu	Phe	Glu	Gly	Leu	Gly	Arg	Asp	Lys	Ala	Glu	Glu	85	90	95	
Leu	Leu	Gln	Leu	Pro	Asp	Thr	Lys	Ile	Gly	Ser	Phe	Met	Ile	Arg	Glu	100	105	110	
Ser	Glu	Thr	Lys	Lys	Gly	Phe	Tyr	Ser	Leu	Ser	Val	Arg	His	Arg	Gln	115	120	125	
Val	Lys	His	Tyr	Arg	Ile	Phe	Arg	Leu	Pro	Asn	Asn	Trp	Tyr	Tyr	Ile	130	135	140	
Ser	Pro	Arg	Leu	Thr	Phe	Gln	Cys	Leu	Glu	Asp	Leu	Val	Thr	His	Tyr	145	150	155	160
Ser	Glu	Val	Ala	Asp	Gly	Leu	Cys	Cys	Val	Leu	Thr	Thr	Pro	Cys	Leu	165	170	175	
Ala	Gln	Asn	Ile	Pro	Ala	Pro	Thr	Ser	His	Pro	Ser	Pro	Cys	Thr	Ser	180	185	190	
Pro	Gly	Ser	Pro	Val	Thr	Leu	Arg	Gln	Lys	Thr	Phe	Asp	Trp	Lys	Arg	195	200	205	
Val	Ser	Arg	Leu	Gln	Glu	Gly	Ser	Glu	Gly	Ala	Glu	Asn	Pro	Leu	Arg	210	215	220	
Val	Asp	Glu	Ser	Leu	Phe	Ser	Tyr	Gly	Leu	Arg	Glu	Ser	Ile	Ala	Ser	225	230	235	240
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Lys Ser Leu Ser Leu Met Tyr Thr Gly Ser Lys Arg Lys Ser Ser Phe
260 265 270

Phe Ser Ala Pro Gln Tyr Phe Glu Asp
275 280